

Amendments to the Claims

Claim 1 (**Currently Amended**) A recording apparatus for recording digital content onto an optical disk, the recording apparatus comprising:

an accepting unit operable to accept from a user an indication whether the optical disk is for consumer use or industrial use;

an encrypting unit operable to encrypt the digital content, using a second content key that is to be encrypted using a unique key which is unique to an industrial reproduction apparatus when the optical disk is for industrial use, and using a first content key that is to be encrypted using a non-unique key which is not unique to a consumer reproduction apparatus when the optical disk is for consumer use;

a first writing unit operable to, when the optical disk is for consumer use, (a) generate, on the optical disk, a first area that is arranged to be accessed by ~~when~~ the consumer reproduction apparatus ~~attempts to reproduce the digital content~~, and (b) write the encrypted digital content to the first area; and

a second writing unit operable to, when the optical disk is for industrial use, (a) generate, on the optical disk, the first area and a second area that is arranged to be accessed by ~~when~~ the industrial reproduction apparatus ~~attempts to reproduce the digital content~~, (b) write the encrypted digital content to the second area, and (c) write message data ~~reproducible by the consumer reproduction apparatus~~ to the first area,

wherein the message data includes information which is reproduced by the consumer reproduction apparatus such that the consumer reproduction apparatus informs a user of the consumer reproduction apparatus indicates that the digital content cannot be reproduced by the consumer reproduction apparatus.

Claim 2 (**Previously Presented**) The recording apparatus of Claim 1 for a system that includes a first key management center and a second key management center and encrypts a content key and content, and for recording the encrypted content key and the encrypted content to the optical disk to be accessed by a reproduction apparatus,

wherein the reproduction apparatus decrypts the encrypted content key, and decrypts the encrypted content using the decrypted content key,

wherein the industrial reproduction apparatus decrypts the encrypted second content key using the unique key provided from the second key management center, to obtain the second content key,

wherein the consumer reproduction apparatus retrieves the non-unique key from the optical disk, and decrypts the encrypted first content key using the non-unique key to obtain the first content key,

wherein the first key management center encrypts the first content key using the non-unique key,

wherein the second key management center encrypts the second content key using a public key corresponding to the unique key, and provides the unique key to the industrial reproduction apparatus,

wherein the first writing unit writes the non-unique key and the encrypted first content key to the optical disk, and

wherein the second writing unit writes the encrypted second content key to the optical disk.

Claim 3 (Previously Presented) The recording apparatus of Claim 1,

wherein the message data includes a plurality of character strings which are each written in a different language, and

each of the character strings indicates that the digital content cannot be reproduced by the consumer reproduction apparatus.

Claim 4 (Currently Amended) A recording apparatus for recording digital content onto an optical disk which has a first entry area and a second entry area, the first entry area being an area that is to be first accessed when the optical disk is loaded to a consumer reproduction apparatus, and the second entry area being an area that is to be first accessed when the optical disk is loaded to an industrial reproduction apparatus, the recording apparatus comprising:

an accepting unit operable to accept from a user an indication whether the optical disk is for consumer use or industrial use;

an encrypting unit operable to encrypt the digital content, using a second content key that is to be encrypted using a unique key which is unique to the industrial reproduction apparatus

when the optical disk is for industrial use, and using a first content key that is to be encrypted using a non-unique key which is not unique to the consumer reproduction apparatus when the optical disk is for consumer use;

a first writing unit operable to, when the optical disk is for consumer use, (a) write the encrypted digital content to the optical disk, and (b) write a jump command which designates the digital content as a jump destination, to the first entry area; and

a second writing unit operable to, when the optical disk is for industrial use, (a) write the encrypted digital content and message data to the optical disk, (b) write a jump command which designates the message data as a jump destination, to the first entry area, and (c) write a jump command which designates the encrypted digital content as a jump destination, to the second entry area,

wherein the message data includes information which is reproduced by the consumer reproduction apparatus such that the consumer reproduction apparatus informs a user of the consumer reproduction apparatus indicates that the encrypted digital content cannot be reproduced by the consumer reproduction apparatus.

Claim 5 (Currently Amended) An optical disk for recording that has a first area and a second area and on which digital content is recorded, the optical disk comprising: wherein

a the first area which is arranged is an area to be accessed by when a consumer reproduction apparatus attempts to reproduce the digital content, and on which message data reproducible by the consumer reproduction apparatus is recorded; and recorded,

a the second area is an area which is arranged to be accessed by when an industrial reproduction apparatus attempts to reproduce the digital content, and on which the digital content encrypted using a content key that is to be encrypted using a unique key unique to the industrial reproduction apparatus is recorded, and

wherein the message data includes information which is reproduced by the consumer reproduction apparatus such that the consumer reproduction apparatus informs a user of the consumer reproduction apparatus indicates that the digital content cannot be reproduced by the consumer reproduction apparatus.

Claim 6 (Currently Amended) An optical disk for recording which has a first entry area and a second entry area and on which digital content, the optical disk comprising: content is recorded, wherein

a the first entry area is an area to be first accessed when the optical disk is loaded to a consumer reproduction apparatus; apparatus, and

a the second entry area is an area to be first accessed when the optical disk is loaded to an industrial reproduction apparatus, wherein

a jump-command command, that designates message data reproducible by the consumer reproduction apparatus as a jump-destination destination, is written in the first entry area, and

a jump-command command, that designates the digital content as a jump-destination destination, is written in the second entry area, and

wherein the digital content is recorded in a form of being encrypted using a second content key that is to be encrypted using a unique key which is unique to the industrial reproduction apparatus, and

the message data includes information which is reproduced by the consumer reproduction apparatus such that the consumer reproduction apparatus informs a user of the consumer reproduction apparatus indicates that the digital content cannot be reproduced by the consumer reproduction apparatus.

Claim 7 (Currently Amended) A recording method for recording digital content onto an optical disk, the recording method comprising:

an accepting operation of accepting from a user an indication whether the optical disk is for consumer use or industrial use;

an encrypting operation of encrypting the digital content, using a second content key that is to be encrypted using a unique key which is unique to an industrial reproduction apparatus when the optical disk is for industrial use, and using a first content key that is to be encrypted using a non-unique key which is not unique to a consumer reproduction apparatus when the optical disk is for consumer use;

a first writing operation of, when the optical disk is for consumer use, (a) generating, on the optical disk, a first area that is arranged to be accessed by when the consumer reproduction

apparatus attempts to reproduce the digital content, and (b) writing the encrypted digital content to the first area; and

a second writing operation of, when the optical disk is for industrial use, (a) generating, on the optical disk, the first area and a second area that is arranged to be accessed by when the industrial reproduction apparatus ~~attempts to reproduce the digital content~~, (b) writing the encrypted digital content to the second area, and (c) writing message data ~~reproducible by the consumer reproduction apparatus~~ to the first area,

wherein the message data includes information which is reproduced by the consumer reproduction apparatus such that the consumer reproduction apparatus informs a user of the consumer reproduction apparatus indicates that the digital content cannot be reproduced by the consumer reproduction apparatus.

Claim 8 (Previously Presented) The recording method of Claim 7 for a system that includes a first key management center and a second key management center and encrypts a content key and content, and for recording the encrypted content key and the encrypted content to the optical disk to be accessed by a reproduction apparatus,

wherein the reproduction apparatus decrypts the encrypted content key, and decrypts the encrypted content using the decrypted content key,

wherein the industrial reproduction apparatus decrypts the encrypted second content key using the unique key provided from the second key management center, to obtain the second content key,

wherein the consumer reproduction apparatus retrieves the non-unique key from the optical disk, and decrypts the encrypted first content key using the non-unique key to obtain the first content key,

wherein the first key management center encrypts the first content key using the non-unique key,

wherein the second key management center encrypts the second content key using a public key corresponding to the unique key, and provides the unique key to the industrial reproduction apparatus,

wherein the first writing unit writes the non-unique key and the encrypted first content key to the optical disk, and

wherein the second writing unit writes the encrypted second content key to the optical disk.,

Claim 9 (Previously Presented) The recording method of Claim 7,

wherein the message data includes a plurality of character strings which are each written in a different language, and

each of the character strings indicates that the digital content cannot be reproduced by the consumer reproduction apparatus.

Claim 10 (Currently Amended) A computer program stored on a computer-readable storage medium for use with a computer for recording digital content onto an optical disk, the computer program comprising:

an accepting operation of accepting from a user an indication whether the optical disk is for consumer use or industrial use;

an encrypting operation of encrypting the digital content, using a second content key that is to be encrypted using a unique key which is unique to an industrial reproduction apparatus when the optical disk is for industrial use, and using a first content key that is to be encrypted using a non-unique key which is not unique to a consumer reproduction apparatus when the optical disk is for consumer use;

a first writing operation of, when the optical disk is for consumer use, (a) generating, on the optical disk, a first area that is arranged to be accessed ~~by when~~ the consumer reproduction apparatus ~~attempts to reproduce the digital content~~, and (b) writing the encrypted digital content to the first area; and

a second writing operation of, when the optical disk is for industrial use, (a) generating, on the optical disk, the first area and a second area that is arranged to be accessed ~~by when~~ the industrial reproduction apparatus ~~attempts to reproduce the digital content~~, (b) writing the encrypted digital content to the second area, and (c) writing message data ~~reproducible by the consumer reproduction apparatus~~ to the first area,

wherein the message data includes information which is reproduced by the consumer reproduction apparatus such that the consumer reproduction apparatus informs a user of the

consumer reproduction apparatus indicates that the digital content cannot be reproduced by the consumer reproduction apparatus.

Claim 11 (Previously Presented) The computer program of Claim 10,

wherein the computer is for a system that includes a first key management center and a second key management center and encrypts a content key and content, and for recording the encrypted content key and the encrypted content to the optical disk to be accessed by a reproduction apparatus,

wherein the reproduction apparatus decrypts the encrypted content key, and decrypts the encrypted content using the decrypted content key,

wherein the industrial reproduction apparatus decrypts the encrypted second content key using the unique key provided from the second key management center, to obtain the second content key,

wherein the consumer reproduction apparatus retrieves the non-unique key from the optical disk, and decrypts the encrypted first content key using the non-unique key to obtain the first content key,

wherein the first key management center encrypts the first content key using the non-unique key,

wherein the second key management center encrypts the second content key using a public key corresponding to the unique key, and provides the unique key to the industrial reproduction apparatus,

wherein the first writing unit writes the non-unique key and the encrypted first content key to the optical disk, and

wherein the second writing unit writes the encrypted second content key to the optical disk.

Claim 12 (Previously Presented) The computer program of Claim 10,

wherein the message data includes a plurality of character strings which are each written in a different language, and

each of the character strings indicates that the digital content cannot be reproduced by the consumer reproduction apparatus.

Claim 13 (Previously Presented) The recording apparatus of Claim 1,

wherein the optical disk is made available for use at a start of or during a release of the digital content at theaters, when the optical disk is for industrial use, and

the optical disk is made available for use after the release of the digital content at theaters ends, when the optical disk is for consumer use.